

DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**IMMUNOGLOBULIN SUPERFAMILY VARIANTS EXPRESSED IN MESENCHYMAL CELLS
AND THERAPEUTIC USES THEREOF**

and for which a patent application:

- ☐ is attached hereto and includes amendment(s) filed on _____ (if applicable)
- ☒ was filed in the United States on August 20, 2003 as Application No. 10/643,982 *declaration not accompanying application* with amendment(s) filed on _____ (if applicable)
- ☐ was filed as PCT international Application No. _____ on _____ and was amended under PCT Article 19 on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
141539	Israel	20 February 2001	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
145658	Israel	25 September 2001	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

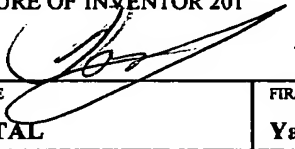
PROVISIONAL APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

NON-PROVISIONAL APPLICATION NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
PCT/IL02/00129	20 February 2002		X	

* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	LAST NAME ZIPORI	FIRST NAME Dov	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Rehovot	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 10 Hava Lutsky Street,	CITY Rehovot	STATE OR COUNTRY Israel	ZIP CODE 76574
	SIGNATURE OF INVENTOR 201 			DATE 10/9/03	
202	FULL NAME OF INVENTOR	LAST NAME SHAV-TAL	FIRST NAME Yaron	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Elkanah	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 4 Tapuach Street	CITY Elkanah	STATE OR COUNTRY Israel	ZIP CODE 44814
	SIGNATURE OF INVENTOR 202			DATE	
203	FULL NAME OF INVENTOR	LAST NAME BARDA-SAAD	FIRST NAME Mira	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Ganei Tiqvah	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 2 Harimon Street, Givat Savion Hahadasha	CITY Ganei Tiqvah	STATE OR COUNTRY Israel	ZIP CODE 55990
	SIGNATURE OF INVENTOR 203			DATE	
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 204			DATE	
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 205			DATE	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	LAST NAME ZIPORI	FIRST NAME Dov	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Rehovot	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 10 Hava Lutsky Street,	CITY Rehovot	STATE OR COUNTRY Israel	ZIP CODE 76574
		SIGNATURE OF INVENTOR 201		DATE	
202	FULL NAME OF INVENTOR	LAST NAME SHAV-TAL	FIRST NAME Yaron	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Elkanah	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 4 Tapuach Street	CITY Elkanah	STATE OR COUNTRY Israel	ZIP CODE 44814
		SIGNATURE OF INVENTOR 202 <i>Yaron Shav-Tal</i>		DATE <i>10/9/03</i>	
203	FULL NAME OF INVENTOR	LAST NAME BARDA-SAAD	FIRST NAME Mira	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Ganei Tiqvah	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 2 Harimon Street, Givat Savion Hahadasha	CITY Ganei Tiqvah	STATE OR COUNTRY Israel	ZIP CODE 55990
		SIGNATURE OF INVENTOR 203		DATE	
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
		SIGNATURE OF INVENTOR 204		DATE	
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
		SIGNATURE OF INVENTOR 205		DATE	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	LAST NAME ZIPORI	FIRST NAME Dov	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Rehovot	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 10 Hava Lutsky Street,	CITY Rehovot	STATE OR COUNTRY Israel	ZIP CODE 76574
		SIGNATURE OF INVENTOR 201		DATE	
202	FULL NAME OF INVENTOR	LAST NAME SHAV-TAL	FIRST NAME Yaron	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Elkanah	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 4 Tapuach Street	CITY Elkanah	STATE OR COUNTRY Israel	ZIP CODE 44814
		SIGNATURE OF INVENTOR 202		DATE	
203	FULL NAME OF INVENTOR	LAST NAME BARDA-SAAD	FIRST NAME Mira	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY Ganei Tiqvah	STATE OR FOREIGN COUNTRY Israel	COUNTRY OF CITIZENSHIP Israel	
	POST OFFICE ADDRESS	STREET 2 Harimon Street, Givat Savion Hahadasha	CITY Ganei Tiqvah	STATE OR COUNTRY Israel	ZIP CODE 55990
		SIGNATURE OF INVENTOR 203 <i>Mira Barda Saad</i>		DATE	
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
		SIGNATURE OF INVENTOR 204		DATE	
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
		SIGNATURE OF INVENTOR 205		DATE	

202 054
51777
29.09.2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of: Dov ZIPORI et al.

Confirmation No.: 5156

Application No.: 10/643,982

Group Art Unit:

Filing Date: August 20, 2003

Examiner:

For: IMMUNOGLOBULIN SUPERFAMILY
VARIANTS EXPRESSED IN
MESENCHYMAL CELLS AND
THERAPEUTIC USES THEREOF

Attorney Docket No.: 85189-5000

**POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints Allan A. Fanucci (Reg. No. 30,256) and Daniel J. Hulseberg (Reg. No. 36,554) of WINSTON & STRAWN LLP (Customer No. 28765) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

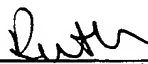

Please direct all correspondence for this application to Customer No. 28765 to the attention of Allan A. Fanucci (telephone 212-294-3311, facsimile 212-294-4700).

An assignment of the entire interest in the above-identified subject application is submitted herewith for recording and a copy is attached.

The undersigned has reviewed this assignment and, to the best of his/her knowledge, title is in the assignee seeking to take action in this application and that he/she is empowered to act on its behalf.

ASSIGNEE: **YEDA RESEARCH AND DEVELOPMENT CO. LTD.**

Signature:

Date of Signature:

September 15, 2003

Typed Name:

Dr. Ruth Granoth Yaacov Cohen

Position/Title:

Chief Intellectual Property Officer Vice President

Address:

at the Weizmann Institute of Science, P.O. Box 95

Rehovot 76100, Israel

ASSIGNMENT OF INVENTION WORLDWIDE

WHEREAS, each of

Dov ZIPORI, a citizen of Israel residing at 4 Yaacov Druyan Street, Rehovot 76574, Israel;

Yaron Shav-Tal, a citizen of Israel residing at 4 Tapuach Street, Elkanah 44814, Israel,

Mira Barda-Saad, a citizen of Israel residing at 2 Harimon Street, Givat Savion Hahadasha, Ganei Tiqvah 55990, Israel; and

ASSIGNOR, is an inventor of the invention in **IMMUNOGLOBULIN SUPERFAMILY VARIANTS EXPRESSED IN MESENCHYMAL CELLS AND THERAPEUTIC USES THEREOF**, for which an application for a Patent of the United States, identified by Winston & Strawn LLP Docket No. 85189-5000:

- ☐ is executed on even date herewith.
☒ was filed on August 20, 2003 as Application No. 10/643,982.

WHEREAS, **YEDA RESEARCH AND DEVELOPMENT CO. LTD.**, having a place of business at Weizmann Institute of Science, P.O. Box 95, Rehovot 76100, Israel, ASSIGNEE, is desirous of obtaining each inventor's entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to each inventor in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, each ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, his or her entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries other than the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such

application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

And each ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

And each ASSIGNOR hereby covenants and agrees that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith;

And each ASSIGNOR hereby further covenants and agrees that he or she will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to him or her respecting said invention, testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE or, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries;

And each ASSIGNOR hereby authorizes the ASSIGNEE's patent attorney to complete this form by the addition of the application number, application filing date, and attorney docket number, if necessary.

In witness whereof, each inventor has affixed his or her signature.

Date

10/9/03


Dov ZIPORI

On this 10 day of September, 2003, before me appeared Dov ZIPORI, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.


Witness

Date

10/9/03

Yaron SHAV-TAL

Yaron Shav-Tal

On this 10 day of September, 2003, before me appeared Yaron SHAV-TAL, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

Jacobs

Date

Mira BARDA-SAAD

On this _____ day of _____, 2003, before me appeared Mira BARDA-SAAD, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

Date

Yaron SHAV-TAL

On this _____ day of _____, 2003, before me appeared Yaron SHAV-TAL, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

Date

9-18-03

Mira BARDA-SAAD

Mira Barda-Saad

On this 18 day of September, 2003, before me appeared Mira BARDA-SAAD, to me known and known to me to be the person of that name, who signed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Witness

yossi Saad.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of: Dov ZIPORI et al.

Confirmation No.: 5156

Application No.: 10/643,982

Group Art Unit:

Filing Date: August 20, 2003

Examiner:

For: IMMUNOGLOBULIN SUPERFAMILY
VARIANTS EXPRESSED IN
MESENCHYMAL CELLS AND
THERAPEUTIC USES THEREOF

Attorney Docket No.: 85189-5000

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
[37 CFR 1.27(a)(2) - Small Business Concern]

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby declare that I am

- ☐ the owner of the small business concern identified below:
- ☒ an official of the small business concern empowered to act
in behalf of the concern identified below:

Yeda Research and Development Co. Ltd.
Weizmann Institute of Science
P.O. Box 95
Rehovot 76100, Israel

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 37 CFR 1.27(a)(2), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the person employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern and/or there is an obligation under contract or law by the inventor(s) to convey rights to the small business concern with regard to the invention entitled **IMMUNOGLOBULIN SUPERFAMILY VARIANTS EXPRESSED IN MESENCHYMAL CELLS AND THERAPEUTIC USES THEREOF** by **Dov ZIPORI, Yaron SHAV-TAL, and Mira BARDA-SAAD**, described in

29.09.2003

- ☐ the specification filed herewith
☒ application no. _____ filed August 20, 2003
☐ patent no. _____ issued _____

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.27(a)(1) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.27(a)(2), or a nonprofit organization under 37 CFR 1.27(a)(3).

FULL NAME: _____

ADDRESS: _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. [37 CFR 1.27 (g)]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, and patent issuing thereon, or any patent to which this verified statement is directed.

Send correspondence to: **WINSTON & STRAWN LLP** Direct Telephone calls to:
Customer No. 28765 **WINSTON & STRAWN LLP**
202-371-5904

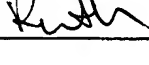
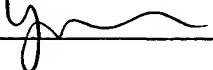
Name of Person Signing: Dr. Ruth Granoth Yaacov Cohen

Title other than Owner: Chief Intellectual Property Officer Vice President

Address of Signer: Yeda Research and Development Co.

at the Weizmann Institute of Science, P.O. Box 95

Rehovot 76100, Israel

Signature:   Date: September 18, 2003

*NOTE: Separate verified statements are required from each named person, concern, or organization having rights to the invention averring to their status as small entities.